Ministry of
Northern Development
and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

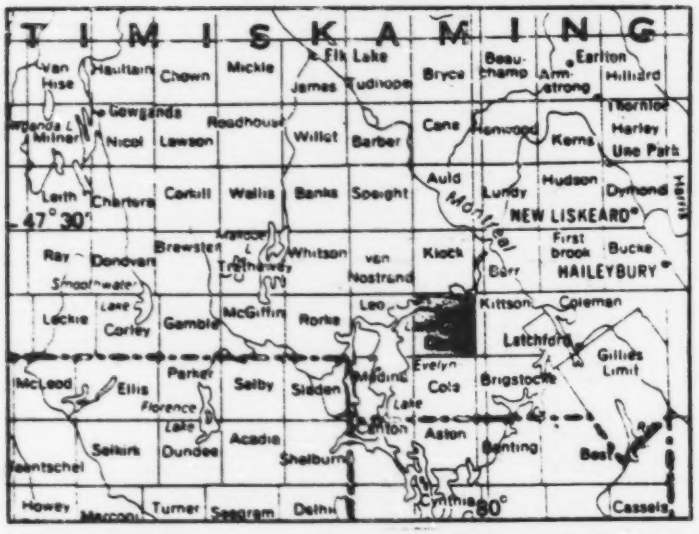
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 435

DANE TOWNSHIP

DISTRICT OF TIMISKAMING

Compiled by the Staff of
the Resident Geologist's Office
Cobalt



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

88-03730/

NTS Number 41 P/8

Mining Claim Map Number M-748

The project is part of the Canada-Ontario Mineral Development Agreement (COMDA)

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1988: Dane Township, District of Timiskaming, Ontario Geological Survey Geological Data Inventory Folio 435 , compiled by the staff of the Resident Geologist's Office, Cobalt; 21 pages and 1 map.

Original Compilation by: Patricia Anderson, June 22, 1987

Date	Page Revised	Revised by

Date	Page Revised	Revised by

DANE TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map

Exploration Data Map - 1 Map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	No	D.P.A.
2	Assessment Files Research Office, Toronto	No	D.P.A.
3	ODM General Index; 9 volumes	Yes	D.P.A.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	D.P.A.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	D.P.A.
6	ODM Industrial Mineral Reports	No	D.P.A.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	D.P.A.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	D.P.A.
9	Newspaper Clippings File	No	D.P.A.
10	GSC Index to Publications	Yes	D.P.A.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.P.A.
12	OGS Index Maps	No	D.P.A.
13	Source Mineral Deposit Records (O.G.S.)	No	D.P.A.
14	Author - Subject Articles File	No	D.P.A.
15	Miscellaneous Papers: ODM & OGS	Yes	D.P.A.
16	ODM Geological Circulars: OGS Study Series	No	D.P.A.
17	ODM Preliminary Reports: ODM Bulletins	No	D.P.A.
18	ODM – OGS Open File Reports	Yes	D.P.A.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	D.P.A.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.P.A.
21	OGS Mineral Potential Maps	No	D.P.A.
22	Theses on File, Cobalt	No	D.P.A.
23	Aerial Photographs on File, Toronto	Yes	D.P.A.

METALS AND MINERALS REFERENCES LIST

- Δ anh. . . . . Anhydrite
- Δ ank. . . . . Ankerite
- Δ anna . . . . . Annabergite
- Δ ap. . . . . Apatite
- Δ arg . . . . . Argentite
- Δ As . . . . . Arsenic
- Δ asp . . . . . Arsenopyrite
- Δ asb . . . . . Asbestos
- Δ ba. . . . . Barite
- Δ be. . . . . Beryl
- Δ Bi. . . . . Bismuth
- Δ bn . . . . . Bornite
- Δ bran . . . . . Brannerite
- Δ bruc . . . . . Brucite
- Δ Cd . . . . . Cadmium
- Δ calc. . . . . Calcite
- Δ carb . . . . . Carbonate
- Δ cel . . . . . Celestite
- Δ cc. . . . . Chalcocite
- Δ cp. . . . . Chalcopyrite
- Δ ch. . . . . Chert
- Δ clay . . . . . Clay
- Δ Co . . . . . Cobalt
- Δ cob. . . . . Cobaltite
- Δ cb. . . . . Columbite
- Δ Cu . . . . . Copper
- Δ cor . . . . . Corundum
- Δ dol . . . . . Dolomite
- Δ ep. . . . . Epidote
- Δ ery . . . . . Erythrite
- Δ fel . . . . . Feldspar
- Δ fl . . . . . Fluorite (flurospar)
- Δ fu. . . . . Fuchsite
- Δ gn. . . . . Galena
- Δ gt. . . . . Garnet
- Δ goe . . . . . Goethite
- Δ Au . . . . . Gold
- Δ gf. . . . . Graphite
- Δ gl . . . . . Gravel
- Δ gyp. . . . . Gypsum
- Δ hem . . . . . Hematite
- Δ il . . . . . Ilmenite
- Δ Fe . . . . . Iron
- Δ IF. . . . . Iron Formation
- Δ jas . . . . . Jasper
- Δ kaol . . . . . Kaolinite (kaolin)
- Δ ky . . . . . Kyanite
- Δ Pb . . . . . Lead
- Δ lim . . . . . Limonite
- Δ Li. . . . . Lithium
- Δ mgst . . . . . Magnesite
- Δ mag . . . . . Magnetite
- Δ mc . . . . . Malachite
- Δ Mn . . . . . Manganese
- Δ mb . . . . . Marble
- Δ mar. . . . . Marcasite
- Δ ma . . . . . Marl
- Δ mi . . . . . Mica
- Δ ml . . . . . Millerite
- Δ mo . . . . . Molybdenite
- Δ Mo . . . . . Molybdenum
- Δ mon . . . . . Monazite
- Δ ne. . . . . Nephelite (nepheline)
- Δ nc. . . . . Niccolite
- Δ Ni. . . . . Nickel
- Δ Nb . . . . . Niobium
- Δ Pd . . . . . Palladium
- Δ peat . . . . . Peat
- Δ pent . . . . . Pentlandite
- Δ Pt. . . . . Platinum
- Δ py . . . . . Pyrite
- Δ pyl . . . . . Pyrochlore
- Δ pyrl . . . . . Pyrolusite
- Δ po . . . . . Pyrrhotite
- Δ q . . . . . Quartz
- Δ qcv . . . . . Quartz carbonate vein
- Δ ra. . . . . Radioactive minerals
- Δ RE . . . . . Rare Earths
- Δ sd. . . . . Sand
- Δ sgl . . . . . Sand and gravel
- Δ ss. . . . . Sandstone
- Δ scap . . . . . Scapolite
- Δ shee . . . . . Scheelite
- Δ serp . . . . . Serpentine
- Δ sh. . . . . Shale
- Δ sid . . . . . Siderite
- Δ si . . . . . Silica
- Δ Ag . . . . . Silver
- Δ sl . . . . . Slate
- Δ sm . . . . . Smaltite
- Δ sod . . . . . Sodalite
- Δ spec . . . . . Specularite
- Δ sp. . . . . Sphalerite
- Δ spd . . . . . Spodumene
- Δ staur . . . . . Staurolite
- Δ stib. . . . . Stibnite
- Δ st . . . . . Stone
- Δ talc. . . . . Talc
- Δ Te . . . . . Tellurium
- Δ td. . . . . Tetrahedrite
- Δ th. . . . . Thorite
- Δ Th . . . . . Thorium
- Δ thuc . . . . . Thucholite
- Δ ti . . . . . Titanite
- Δ Ti. . . . . Titanium
- Δ tour . . . . . Tourmaline
- Δ trap . . . . . Trap rock
- Δ W. . . . . Tungsten
- Δ uran . . . . . Uraninite
- Δ U . . . . . Uranium
- Δ verm . . . . . Vermiculite
- Δ Y . . . . . Yttrium
- Δ Zn . . . . . Zinc
- Δ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps or listed in Drillhole Summary.

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MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A.	Island Deposits NE Dane Township, Pit on island at mouth of Lady Evelyn River	Co		MDC 10, p.366 Co 1	ODM, 1926, Volume 35, pt.3 p.100 ODM, 1926, M., 35c ODM, 1965, Map P.321 ODM, 1973, GR106, P.97, Assay ODM, 1973, Map 2257 OGS, 1970, OFR 5050, p.207

GDIF FORM NO. 1

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TYPE OF WORK	Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COBALT COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
No data available as of June 22, 1987																			

GDIF FORM NO. 2

DANE TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
	No data available as of June 22, 1987								

GDIF FORM NO. 3

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AIRBORNE GEOPHYSICAL SURVEY DATA					
No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
	No data available as of June 22, 1987				

GDIF FORM NO. 4

DANE TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
	No data available as of June 22, 1987			

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
	No data available as of June 22, 1987			

LANDSAT COLOUR PHOTO - NTS 31M

LS	TR	FR	Date of Imagery	Band	Cycle/Day
2	20	27	13/10/87	C_1	136/10

On File in Cobalt Office

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

No data available as of June 22, 1987

ODM GENERAL INDEX SEARCH

Words searched: Angler Lake
Dane Township
Goodfish Lake
Lady Evelyn Lake
Sugar Lake

Index Volume	Listing:	Report Volume	Part	Page
	Lady Evelyn Lake, Timiskaming			
	Cobalt near	*16	1	56
	Copper	*R.C.[1]		24
		* 1		234
	Galena	* 9		198
	Argentiferous	*R.C.		29
		*13	1	101
		*16	2	67
		* 9	2	131
		*25	2	15,16
	Gold	*N.O.[2]		112
	Named by Bell	*N.O.		105
	Rocks	* 1		72,73
		*16	2	121
	Route from, to Shusawagaming Lake	*N.O.		86
	Silver Near	*16	1	56
	Trees	*N.O.		xvii,92
	Angler Lake, Dane Township			
	Quartzite and Arkose			
	See Map 35C with	*35	3	
	Dane Township, Timiskaming			
	Diabase	*35	3	100
	Quartzite	*35	3	80,92, 93
	Recent Deposits	*35	3	94
	Goodfish Lake, Dane Township			
	Arkose and Quartzite. See			
	Map 35C with	*35	3	

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
2	Lady Evelyn Lake, Medina, Leo and Dane Townships			
	Glacial Drift	35	3	95
	Rocks	35	3	81,101
	See also Map 35C with	35	3	
8	Dane Township, Timiskaming District			
	Cobalt	MRC10		366
	Copper, Lead, Zinc	GR106		97
	Geology of the Maple Mountain Area			
	Lady Evelyn Lake Maple Mountain Area, Timiskaming District	GR106		31,33 51,97
	Lady Evelyn Lake Anticline Maple Mountain Area, Timiskaming District	GR106		53,54
	Lady Evelyn Lake Fault Maple Mountain Area, Timiskaming District	GR106		53,55

* Out of Print

1-Report of the Royal Commission on the Mineral Resources of Ontario, 1890

2-Report of the Survey and Exploration of Northern Ontario, 1900

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K.D. et al	1971	Sudbury-Cobalt Sheet; Algoma, Manitoulin, Nipissing, Parry Sound, Sudbury & Timiskaming Districts, Ontario	ODMNA Map 2188	1:253 440
Card, K.D., Lumbers, S.B.	1971	Sudbury-Cobalt, NTS 31/W, 31M/SW, 41I, 41P/S, Sudbury & AL5 Districts, Ontario	OGS Map 2361	1:253 440
Easton, R.M.	1986	Geochronology Compilation Map for Ontario: Sheet 1: Southern Ontario; Grenville Province and Environs, Ar-Ar and K-Ar Isotopic Systems	OGS Map P.2840	1:1 013 760
Easton, R.M.	1986	Geochronology Compilation Map for Ontario: Sheet 2: Southern Ontario; Grenville Province and Environs, Rb-Sr, Nd, Sm, U-Pb and other Isotopic Systems	OGS Map P.2841	1:1 013 760
Easton, R.M.	1986	Geochronology Compilation Map for Ontario: Sheet 3: East Central Ontario, All Isotopic Systems	OGS Map P.2842	1:1 013 760
		GEOPHYSICAL MAPS		
	1956	Lady Evelyn Lake, Aeromagnetic	GSC Map 281G	
	1965	Lady Evelyn Lake, Ontario, NTS 41P/8	GSC Map 1504G	1:63 360
GSC-OGS	1979	Airborne Gamma Ray Spectrometry Maps & Profiles, NTS 41P, Sudbury & 2 AL Districts, Ontario	OGS Maps 80372-80410	1:250 000
Gupta, V.K., Wadge, D.R.	1980	Bouger Gravity and Generalized Geological Map, Temagami-Englehart Area, Districts of Timiskaming, Nipissing & Sudbury	OGS Map P.2296	1:100 000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOPHYSICAL MAPS		
	1981	Temiskaming-Kapuskasing Region Magnetic Anomaly Map	GSC Map 1563	1: 1 000 000
Gupta, V.K., Grant, F.S., Boud, A.	1981	A Gravity Study in North-Central Ontario, Districts of Sudbury, Nipissing and Timiskaming; in Summary of Field Work, 1981, edited by J. Wood et al, Ontario Geological Survey	OGS MP 100	No.26 pp.160-164
Gupta, V.K.	1982	Gravity and Aeromagnetic Studies in North-Central Ontario: A progress Report; in Summary of Field Work, 1982, edited by J. Wood et al, Ontario Geological Survey	OGS MP 106	No.24 pp.165-167
Mansinha, L., Wilkinson, D.A.	1983	Interpretation of Gravity Data from New Liskeard, Ontario; Ontario Geoscience Research Grant Program, Grant No.109	OGS OFR 5440	
		Earth Physics Branch Gravity Map Series	EPB Maps No.84 and No.134	1: 500 000
		Aeromagnetic Map	MNR Map 7076G	1: 253 440
GSC	1984	Sudbury, Ontario and Quebec, IMW NL 16/17 Magnetic Anomaly Map	GSC Map NL 16/17-M	1: 1 000 000
Gupta, V.K.	1985	Cobalt Embayment Interpretation: Depth to Basement and Distribution of Nipissing Diabase from Aeromagnetics; in Summary of Field Work, 1985, edited by John Wood, Owen L. White, R.B. Barlow and A.C. Colvine, Ontario Geological Survey	OGS MP 126	p.178-181

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
	1951	Maple Mountain Ontario, topographic	NTS 41 P/SE	1:126 720
	1976	Lady Evelyn Lake, Ontario topographic	NTS 41 P/8	1:50 000
	1977	Sudbury, topographic	NTS 41 P	1:250 000
Roed, M.A.	1979	Maple Mountain, NTS 41 P/SE	NOEGTS 89 OGS Map 5023	1:100 000
	1982	Ontario Basic Map Sheets	MNR Maps 20 17 5600 52500 20 17 5600 52400 20 17 5700 52400 20 17 5700 52500	1:20 000
		Claim Map, Dane Township	MNR Map Plan No. M-748	1"=40 ch.
		MINERAL POTENTIAL		
Springer, J.	1977	Ontario Mineral Potential, Gogama Sheet & Part of Ville Marie Sheet, NTS 41P, 31M/W, Timiskaming & Sudbury Districts, Ontario	OGS Map P.1514	1:250 000
		GEOCHEMICAL		
		No data available as of June 22, 1987		

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Barlow, A.E.	1899	Report on the Geology and Natural Resources of the Area Included by the Nipissing and Timiskaming Map Sheets, Comprising Portions of the District of Nipissing Ontario and of the County of Pontiac, Quebec	*GSC AR, Vol. X, pt. 1 *GSC Map 599	
Miller, WG	1906	The Cobalt-Nickel Arsenides and Silver Deposits of Temiskaming, Ontario	*OBM AR,1905, Vol. 14, pt. 2	
Barlow, A.E.	1908	Second Edition of a Report on the Geology and Natural Resources of the Area Included by the Nipissing and Timiskaming Map Sheets	*GSC Separate Report 962	
Miller, W.G.	1908	The Cobalt-Nickel Arsenides and Silver Deposits of Temiskaming (3rd Edition),other Temiskaming Cobalt Areas, part of Montreal River & Temagami Forest Reserve	*OBM AR, 1907, Vol. 16, pt. 2 ch. 3 OBM Map 16f	pp.117-128 1:63 360
Collins, W.H.	1909	Montreal River District, Ontario	*GSC Summary Report 1908	pp.115-120
Collins, W.H.	1910	The Florence Lake and Montreal River District, Ontario	*GSC Summary Report 1909	pp. 168-172
Collins, W.H.	1911	Montreal River District, Ontario	*GSC Summary Report 1910	pp.196-202
Knight, C.W.	1913	The Cobalt-Nickel Arsenides and Silver Deposits of Temiskaming(4th Edition), The Outlying Cobalt-Silver Areas, Montreal River and Temagami Forest Reserve, Ontario	*OBM AR, 1910 Vol.19, pt.2 ch.2	pp.155-164
Collins, W.H.	1914	The Geology of the Gowganda Mining Division	*GSC Memoir *GSC Map 64A	

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Burrows, A.G.	1922	Gowganda & Other Silver Areas, 1. Gowganda Silver Area (4th Report), Timiskaming District, Ontario	*ODM AR, 1921 *ODM Map 30b	pp.1-46 1:63 360
Todd, E.W.	1926	Anima-Nipissing Lake Area, Timiskaming & Nipissing District, Ontario	*ODM AR, 1926 Vol.35, pt.3 *ODM 35C	pp.79-104 1:63 360
Donovan, J.F.	1965	Maple Mountain Sheet, Districts of Sudbury, Timiskaming and Nipissing, Ontario	ODM Map p.301	1:126 720
Roscoe, S.M.	1969	Huronion Rocks and Uraniferous Conglomerates in the Canadian Shield	GSC Paper	205p.
Card, K.D., McIlwaine, W.H., Meyn, H.D.	1970	Operation Maple Mountain, Districts of Timiskaming & Nipissing, Ontario	ODMNA OFR 5050 ODM Map P.585	1:63 360
Card, K.D.	1973	Geology of the Maple Mountain Area, Timiskaming, Nipissing & Sudbury Districts, Ontario	ODM GR106 ODM Map 2257	1:63 360
Wood, J.	1979	Regional Geology of the Cobalt Embayment, Districts of Sudbury, Nipissing and Timiskaming; in Summary of Field Work, 1979, edited by V.G. Milne et al, Ontario Geological Survey	OGS MP 90	No.18 pp.79-81
Wood, J.	1980	Regional Geology of the Cobalt Embayment, Districts of Sudbury, Nipissing and Timiskaming; in Summary of Field Work, 1980, edited by V.G. Milne et al, Ontario Geological Survey	OGS MP 96	No.14 pp.61-63

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Woods, J.	1980	Regional Geology of the Cobalt Embayment, Districts of Sudbury, Nipissing and Timiskaming; in Summary of Field Work, 1981, edited by V.G. Milne et al, Ontario Geological Survey	OGS MP 96	No.14 pp.61-63
Colvine, A.C.	1981	Reconnaissance of the Lorrain Formation, Northern Cobalt Embayment; in Summary of Field Work, 1981, edited by J. Wood et al, Ontario Geological Survey	OGS MP 100	No.29 pp.187-189
Donaldson, J.A. et al	1984	Grant No.173, Sedimentary Rocks and Stratabound Mineralization in the Cobalt Region; in Geoscience Research Grant Program; in Summary of Research, 1983-84, edited by V.G. Milne, Ontario Geological Survey	OGS MP 121	pp.198-210
Hunter & Associates Limited	1984	Peat and Peatland Evaluation of the New Liskeard Area	OGS OFR 5486 Vol.1,2,3	
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
Andrews, A.J.	1986	Silver vein deposits: summary of recent research	Canadian Journal of Earth Sciences, Vol. 23, No.10	pp.1459-1462
Andrews, A.J., Owsiacki, L., Kerrich, R., Strong, D.R.	1986	The silver deposits at Cobalt and Gowganda, Ontario. I: Geology, petrography and whole-rock geochemistry	Canadian Journal of Earth Sciences, Vol. 23, No.10	pp.1480-1506

GDIF FORM NO.8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
Andrews, A.S., Masliwec, A., Morris, W.A., Owsiacki, L., York, D.	1986	The silver deposits at Cobalt and Gowganda, Ontario. II: An experiment in age determinations employing radiometric and paleomagnetic measurements	Canadian Journal of Earth Sciences, Vol.23, No.10	pp.1507-1518
Kerrich, R., Strong, R., Andrews, A.J., Owsiacki, L.	1986	The silver deposits at Cobalt and Gowganda, Ontario. III: Hydrothermal regimes and source reservoirs-evidence H,O,C. and SR isotopes and fluid inclusions	Canadian Journal of Earth Sciences, Vol.23, No.10	pp.1519-1550
Goodz, M.D., Watkinson, D.H., Smejkal, V., Pertold, Z.	1986	Sulphur-isotope geochemistry of silver-sulpharsenide vein mineralization, Cobalt, Ontario	Canadian Journal of Earth Sciences, Vol.23, No.10	pp.1551-1567
Thorpe, R.I., Goodz, M.D., Jonasson, I.R., Blenkinsop, J.	1986	Lead-isotope study of mineralization in Cobalt district, Ontario	Canadian Journal of Earth Sciences, Vol.23, No.10	pp.1568-1575
		*Out of Print		

GDIF FORM NO.9

NOTES AND ADDENDA

The exploration data map shows only the most important minerals found at each site. All the minerals noted are listed in the mineral occurences or the drill hole data.

On the maps, only areas for which work has been submitted to the Ministry are shown and thus a company may hold, or have held in the past, more ground than is shown.

No present or past producers

The township was closed to staking in 1978 due to the Bear Island Indian Caution.

AIR PHOTOS - on file in Toronto

Only 1977 photos are available for viewing at the Public Service Centre, Rm. 1640, Whitney Block.

Photos can also be ordered from here for the years 1946, 1958 and 1970.

Year	Roll	Strip	Photo
1946	51	115	61-68
	51	116	54-61
	50	117	40-47
	60	118	87-94
	59	119	114-121
1958	18	4717	170-176
	19	4716	70-76
	19	4715	138-143
	19	471	204-211
1970	41	4717	64-71
	41	4716	100-107
	17	4715	61-67
	6	4714	36-43
	3	4713	100-106
1977	3	4717	135-141
	4	4716	4-11
	4	4715	35-42
	40	4714	126-132

GDIP FORM NO.0

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ ◆³ — Geochemical sample site, with reference number
- ☐ ◆³ — Area of geochemical sampling, with reference number
- ☐ ✳² — Age dating material sampling site, with reference number
- ☐ —

GEOPHYSICAL ANOMALIES

- ☐ –AM– — Airborne magnetic anomaly
- ☐ — Airborne electromagnetic anomaly
  Length of anomaly along flight line
- ☐ — Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ☐ — Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ☐ –ARA– — Airborne radiometric anomaly
- ☐ –M– — Ground magnetic anomaly
- ☐ VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- ☐ –RA– — Ground radiometric anomaly
- ☐ –IP– — Induced polarization anomaly
- ☐ –SP– — Self potential anomaly
- ☐ –AFMAG– — Audio-frequency magnetic anomaly
  (total intensity)
- ☐ –R– — Resistivity anomaly
- ☐ –GR– — Gravity anomaly
- ☐ —

MISCELLANEOUS DATA

Ministry of Northern Development and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 435

(Map 1 of 1)

DANE TOWNSHIP

DISTRICT OF TIMISKAMING

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ■ cp A. — Mineral occurrence at surface, with reference letter
- □ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- □ Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- □ cp A. — Mineralized float with reference letter
- □ cp A. — Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- □ ●2 — Location of single drillhole, with reference number
- □ ◉2 — Location of closely spaced group of drillholes, with reference

GEOPHYSICAL ANOMALIES

- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ARA — Airborne radiometric anomaly
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  (VL - Vertical loop; HL - Horizontal loop
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  Crone Em - 16)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

GEOLOGICAL DATA INVENTORY FOLIO 435

(Map 1 of 1)

DANE TOWNSHIP

DISTRICT OF TIMISKAMING

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

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- cp A. — Mineralized float with reference letter
- cp A. — Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- 2 — Location of single drillhole, with reference number
- 2 — Location of closely spaced group of drillholes, with reference number
- ?2 — Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- 2 — Property with drillholes which have not been plotted on map, with reference number
- 2 — Reverse circulation drillhole; churn drilling, with reference number